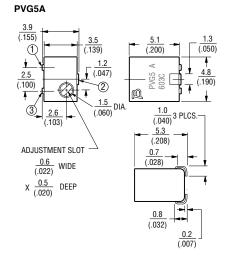


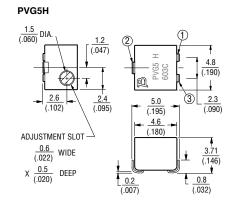
Features

- Surface Mount 5 mm Square / Multiturn / Cermet / Sealed
- Available in both top and side adjustment
- Units can be pre-adjusted at clockwise, counter-clockwise or standard 50 % position
- 5 mm design meets EIA/EIAJ/IPC/VECI SMD standard trimmer footprint
- RoHS compliant*
- For trimmer applications/processing guidelines, click here

PVG5 Series – SMD Sealed Type Multiturn Trimming Potentiometer

Product Dimensions



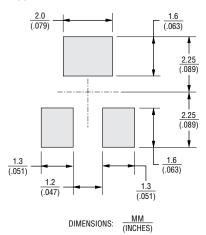


DIMENSIONS: $\frac{MM}{(INCHES)}$

TOLERANCES: $\pm \frac{0.25}{(.010)}$ EXCEPT WHERE NOTED

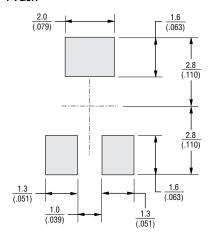
Recommended PCB Layout





TOLERANCES: $\pm \frac{0.1}{(.004)}$ EXCEPT WHERE NOTED

PVG5H



Additional Information

Click these links for more information:











ODUCT 1

ECHNICAL INVENTORY

SAMPLES (

Environmental Characteristics

Temperature Cycle
ΔTR±2 %
ΔV.S.S±1 %
Humidity
±2 % ΔTR; 10 megohms IR min.
Vibration 20 G (1 % ΔTR; 1 % ΔV.S.S.)
Shock 100 G (1 % ΔTR; 1 % ΔV.S.S.)
Temperature Load Life
ΔTR ±3 % or 3 ohm max.,
whichever is greater
ΔV.S.S±1 %
ΔV.S.S±1 % Low Temperature Exposure
Low Temperature Exposure

ΔTR: Total Resistance Change ΔV.S.S.: Voltage Setting Stability IR: Insulation Resistance

Schematic



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WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

PVG5 Series – SMD Sealed Type Multiturn Trimming Potentiometer

Electrical Characteristics

Model Number	Power Rating @ 70 °C (W)	Number of Turns (Effective Rotation Angle)	Total Resistance Value (Ω)	Resistance Tolerance	TCR (ppm/°C)
PVG5x100C03R00	0.25	12	10	±10 %	±150
PVG5x200C03R00			20		
PVG5x500C03R00			50		
PVG5x101C03R00			100		
PVG5x201C03R00			200		
PVG5x501C03R00			500		
PVG5x102C03R00			1k		
PVG5x202C03R00			2k		
PVG5x502C03R00			5k		
PVG5x103C03R00			10k		
PVG5x203C03R00			20k		
PVG5x503C03R00			50k		
PVG5x104C03R00			100k		
PVG5x204C03R00			200k		
PVG5x504C03R00			500k		
PVG5x105C03R00			1M		
PVG5x205C03R00			2M		

Operating Temperature Range: -55 to +125 °C

"x" denotes Adjustment Direction/Lead Type (A = Top; H = Side)

Soldering Method: Forced Hot Air, Convection, IR, Vapor Phase (In-Line)

Typical Part Marking

3-Digit Date Code and Manufacturing Code

- First digit indicates year of manufacture;
- Last two digits indicate week of manufacture;
- 4th digit is suffix for manufacturing location:

C = Costa Rica

EX: 604C = Manufactured in 2016, week 4, Costa Rica

Resistance Code

- Resistance code marking as shown in the Standard Resistance Table.

How To Order

PV G5 A 103 C03 B00 Product ID PV = Trimming Potentiometer G5 = SMD Sealed 5 mm Square, 12-Turns Adjustment Direction/ Lead Type A = TopH = Side Resistance Code See Standard Resistance Table Individual Specification C03 = Standard Type

Packaging

B00 = Tube (50 pcs. per tube)

R00 = 7 " Reel (250 pcs. per reel) – Style A R01 = 7 " Reel (500 pcs. per reel) – Style H

Standard Resistance Table

Resistance (Ohms)	Resistance Code		
10	100		
20	101		
50	201		
100	501		
200	102		
500	202		
1,000	502		
2,000	103		
5,000	203		
10,000	253		
20,000	503		
50,000	104		
100,000	204		
200,000	254		
500,000	504		
1,000,000	105		
2,000,000	205		

Popular distribution values listed in boldface. Special resistances available.

REV. 08/19

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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